

Serial No. 10/505,479
Docket No. 28951.5338

REMARKS

Claims 1-10, as amended, remain herein.

Applicants believe that this amendment places this application fully in condition for allowance, and surely places it in better condition for any appeal. Accordingly, entry of this amendment and allowance of all claims are respectfully requested.

Applicants thank the Examiner for the telephone interview of October 12, 2006. In that Interview, the Examiner noted that the specification at page 5 provides a clear explanation of the equations having the form $\text{DAT}[3] = \text{DAT2}[3] - \text{DAT1}[3]$. The Examiner requested that applicants conform the remainder of the specification to describe the vibration amplitude equations as discussed on page 5 of the specification. The Examiner further stated that applicants would overcome the rejections of the claims under 35 U.S.C. §112 by specifying the meaning of each of the terms in the equations having the form $\text{DAT}[3] = \text{DAT2}[3] - \text{DAT1}[3]$ in the claims. Accordingly, claims 3-5 and 8-10 are so amended.

1. Claims 1-10 were rejected under 35 U.S.C. §112, first paragraph, as not enabled by applicant's disclosure.

Per the Examiner's suggestion, the specification has been amended to conform it with the disclosure on page 5 of the specification. No new matter has been added. The specification has been amended to state, *inter alia*, that counted value data obtained at the first rotational speed

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where one rotation is divided into six areas, $m=6$, is expressed by the terms DAT1[1] through DAT1[6]. The specification has further been amended to recite that the obtained counted values for the second rotational speed where one rotation is divided into six areas, $m=6$, is expressed by the terms DAT2[1] through DAT2[6]. In addition, the specification has been amended to recite that the terms DAT[1] through DAT[6] are the counted value data corresponding to the VIBRATION COMPONENT and are determined from the equation below, i.e. $\text{DAT}[1] = \text{DAT2}[1] - \text{DAT1}[1]$. Having defined DAT2[1], DAT1[1] and DAT[1], the vibration quantity recited in the claims is also clearly defined. Further, applicant has amended claims 3-5 and 8-10 to express the equation $\text{DAT}[1] \sim \text{DAT}[m]$ as the vibration component for each angular division expressed by the terms DAT[1] through DAT[m]. Reconsideration and withdrawal of this rejection and allowance of all claims 1-10 are respectfully requested.

2. Claims 3-5 and 8-10 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite.

Applicant has amended claims 3-5 and 8-10 to recite that in each of the m angular divisions, a vibration component is given by a difference between the first counted value and the second counted value in a particular angular division, the vibration component for each angular division is expressed by the terms DAT[1] through DAT[m]. Applicant respectfully submits that the terms DAT[1] and DAT[m] recited in the claims are now clearly defined. Reconsideration and withdrawal of this rejection and allowance of all claims are respectfully requested.

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Accordingly, this application is now fully in condition for allowance, and a notice to that effect is respectfully requested. The PTO is hereby authorized to charge/credit any fee deficiencies or overpayments to Deposit Account No. 19-4293 (Order No. 28951.5338). If further amendments would place this application in even better condition for issue, the Examiner is invited to call applicant's undersigned attorney at the number listed below.

Respectfully submitted,

STEPTOE & JOHNSON LLP



Roger W. Parkhurst, Reg. No. 25,177
Tyson Y. Winarski, Reg. No. 41,381

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STEPTOE & JOHNSON LLP
1330 Connecticut Avenue, NW
Washington, DC 20036
Tel: 202-429-3000
Fax: 202-429-3902